IN THE SPECIFICATION

Following the title, please add the following paragraph:

CROSS REFERENCE TO RELATED APPLICATIONS

This application is a divisional of, and claims a benefit of priority under 35 U.S.C. 120 from U.S. Serial No. 09/935,281, filed August 22, 2001 the entire contents of which are hereby expressly incorporated by reference for all purposes.

Please replace the fourth full paragraph of page 4 (i.e., lines 21-22) with the following paragraph:

FIGS. 2A and 2B illustrates a circuit diagrams of a control system, representing an embodiment of the invention.

Please replace the second full paragraph of page 8 (i.e., lines 9-19) with the following paragraph:

Referring to FIGS. 2A and 2B, a circuit diagrams of a HVAC control system is are shown. Several terminal couplings are not shown in the circuit diagrams for increased clarity. Terminal couplings, unless implicitly shown as hardwire connections in the circuit diagrams, are indicated by reference letters at each terminal, wherein like reference letters at two terminals indicate that they are coupled. A voltage monitor 205 can be coupled to a microcontroller 201 via a bus. The microcontroller 201 can be coupled to a relay driver 202 (terminal connections are not shown). The relay driver 202 can be coupled to a terminal block 204 via a plurality of buses 207. The terminal block 204 can be coupled to various HVAC equipment such as a fan, a compressor, an emergency heating unit, etc. A real time clock 203 can be coupled to the terminal block 204. A back up power capacitor 209 can be coupled to the real time clock 203. A serial interface 206 can be coupled to the microcontroller 201 via a bus 208.

Please replace the paragraph bridging pages 8-9 with the following paragraph:

Still referring to FIGS. 2A and 2B, current can be supplied to the entire circuit by a voltage monitor 205. The voltage monitor 205 rectifies and steps down 24 VAC (standard HVAC power supply) to 5 VDC which is suitable for driving electronic circuits. A microcontroller 201 can receive temperature data from a temperature sensor (circuit of FIG. 1) and send corresponding heating and/or cooling instructions to HVAC equipment via a relay driver 202 and a terminal block 204. A real time clock 203 can be responsible for maintaining a timing mechanism, allowing the microcontroller 201 to maintain HVAC system operation at different temperatures at different times, such as office hours and after hours, weekends, and holidays. A back up power capacitor 209, supplies power to the real time clock 203, in case power supply is momentarily interrupted. HVAC system usage data that can be stored in system memory can be accessed by the microcontroller 201 and uploaded to a hand held PDA via a serial interface 206. The HVAC system usage data can further be uploaded onto a central billing computer from the hand held PDA to allow individual users to be billed for HVAC services.

Please replace the first full paragraph of page 9 (i.e., lines 4-11) with the following paragraph:

Referring to FIG. 3, a display control circuit is shown. Several terminal couplings are not shown in the circuit diagram for increased clarity. Terminal couplings, unless implicitly shown as hardwire connections in the circuit diagram, are indicated by reference letters at each terminal, wherein like reference letters at two terminals indicate that they are coupled. A microcontroller 301 can be coupled to a voltage monitor 303. A set of cursor buttons 302 can be coupled to the microcontroller 301. A liquid crystal display (LCD) 304 can also be coupled to the microcontroller 301 via a bus 305. A 2 X 16 LCD is shown in FIG. 2 3. Other types of LCD displays can also be used in the configuration shown.